



## CHEMIST II

### Purpose:

To actively support and uphold the City's stated mission and values. To perform a wide variety of professional analytical and technical duties involved in the analyses of the City's water quality including raw and treated water and/or raw sewage and industrial waste; and to ensure proper compliance with Federal, State and local requirements.

### Supervision Received and Exercised:

Receives direction from the Laboratory Administrator or from other supervisory or management staff.

### Essential Functions:

Duties may include, but are not limited to, the following:

- Perform a variety of chemical and biochemical tests on potable water, wastewater, and industrial effluent;
- Perform associated quality control checks to ensure the accuracy of analytical results; maintain records of analytical results;
- Calibrate, maintain and monitor various instruments; document accuracy of analytical data;
- Operate a variety of laboratory equipment including Spectrophotometers, pH meters, Ion Chromatograph, Gas Chromatographs, Atomic Absorption Spectrometer, Total Organic Carbon Analyzer, Inductively Coupled Plasma Mass and Atomic Emission Spectrometers, balances, autoclaves, titrators, incubators, block digesters, distillation units, turbidimeters, colorimeters, selective ion probes, calculators, and computers;
- Prepare solutions, reagents and standards for various chemical analyses; develop complex testing procedures;
- Calibrate various instruments and meters and perform preventative maintenance;

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- Maintain, clean, and care for laboratory equipment and materials;
- Prepare and maintain water quality control reports to maintain State and Federal certification; develop and revise methods to meet ongoing regulations;
- Prepare and generate reports on water quality related data; represent the City at water agency meetings, manufacturer's conferences and at other professional meetings and organizations;
- Perform related duties as assigned.

### **Minimum Qualifications:**

#### **Experience:**

Two years of increasingly responsible experience conducting chemical or biochemical analyses in a laboratory environment.

#### **Education:**

Equivalent to a Bachelor's degree from an accredited college or university with major course work in chemistry, biology or a degree related to the core functions of this position.

#### **Licenses/Certifications:**

None

#### **Examples of Physical and/or Mental Activities:**

- Lift heavy objects up to 100 lbs.
- Operate city vehicles such as a pickup truck
- Traverse uneven surfaces
- Operate computers, calculators and other office machines
- Occasionally reading and close vision work
- Work in confined areas
- Work out-of-doors in inclement weather
- Exposure to heat, cold, dampness, dust, pollen, etc.
- Exposure to hazards of falls, noise, equipment operation, etc.
- Exposure to chemical petroleum product, cleaning agents, fumes, etc.
- May work **alone** for extended periods of time
- Other physical labor essential to the classification

#### **Competencies:**

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<http://www.tempe.gov/home/showdocument?id=26274>

**Job Code: 262**

**Status: Exempt / Classified**